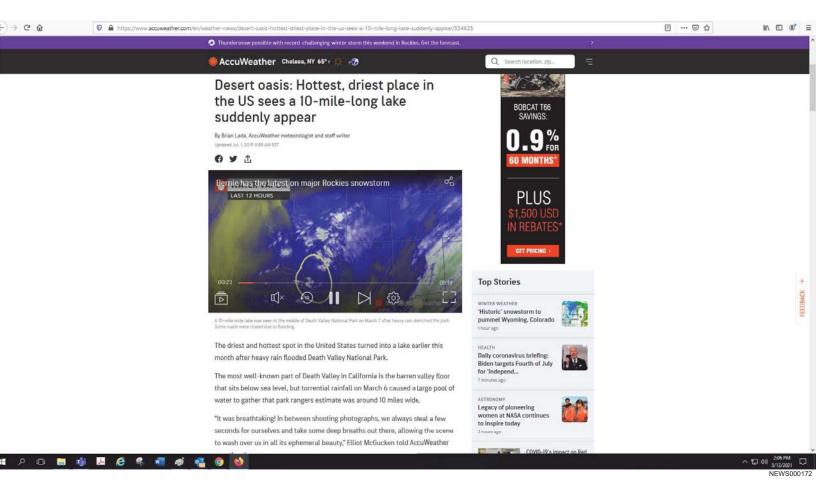
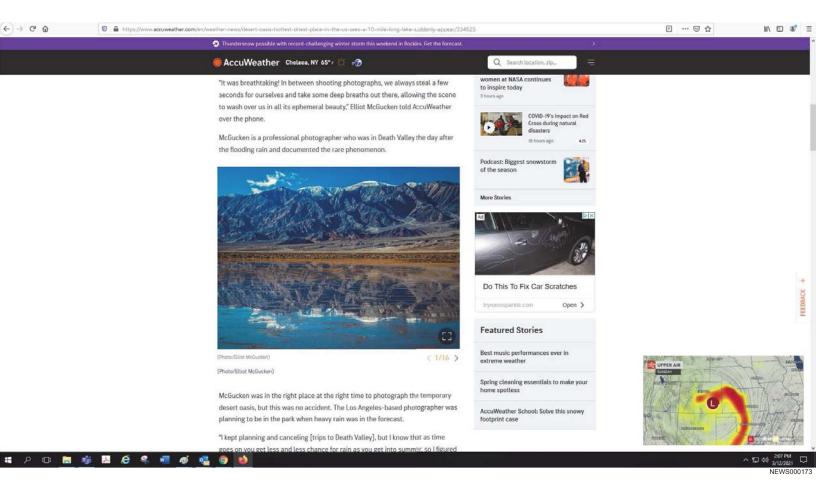
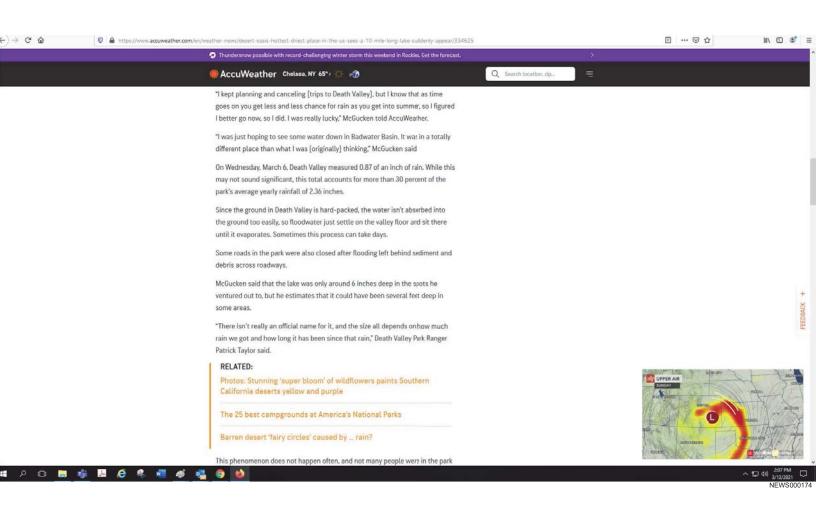
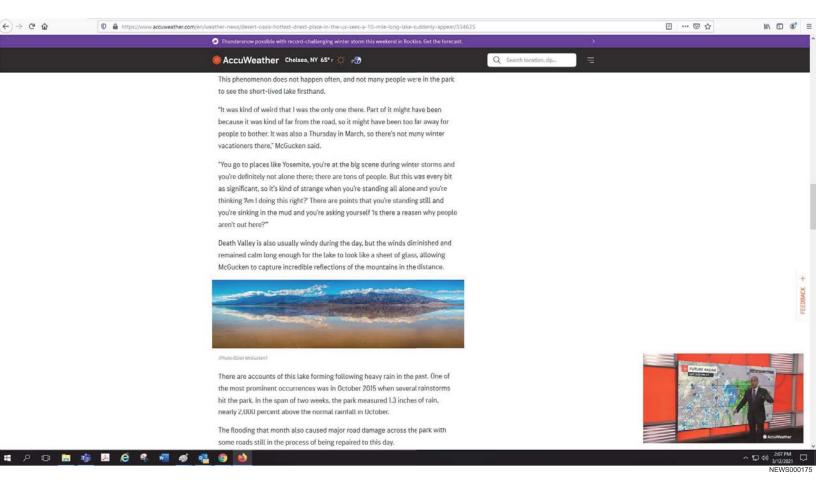
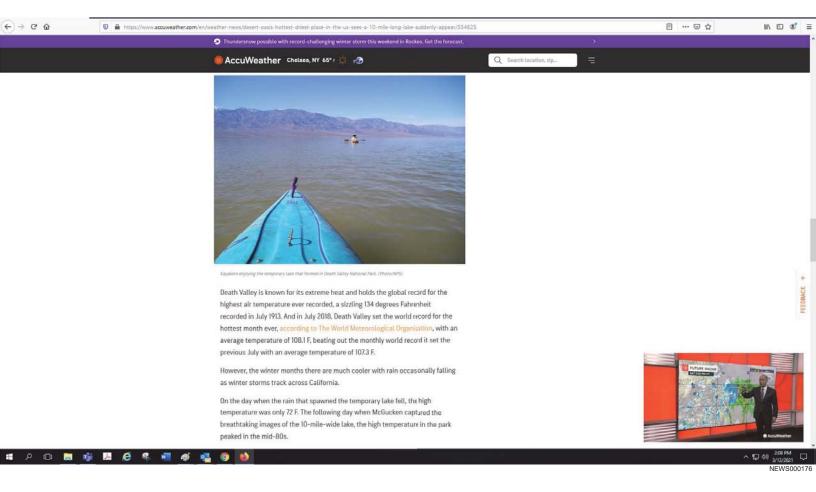
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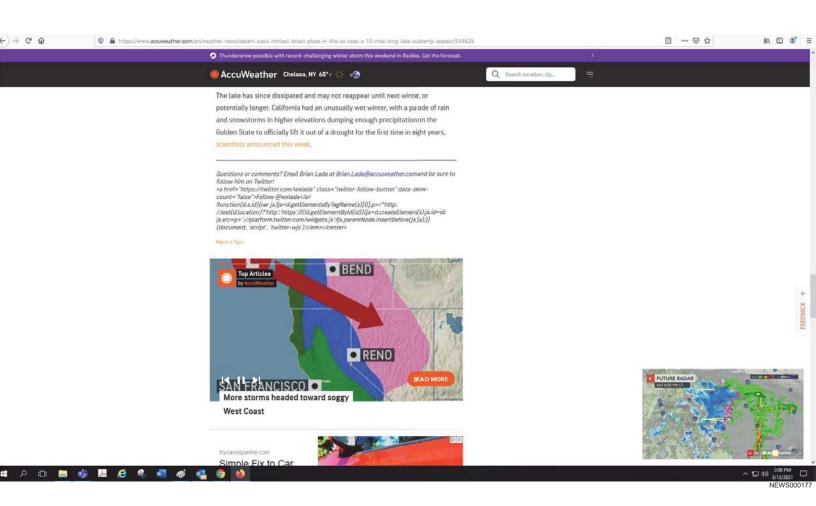


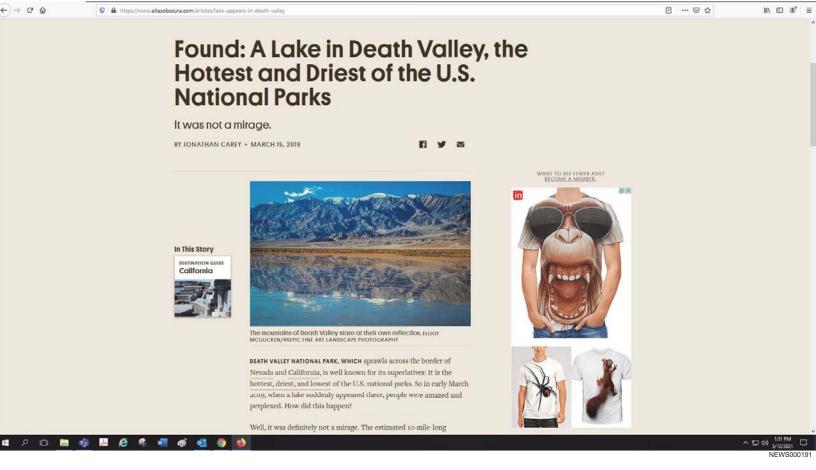


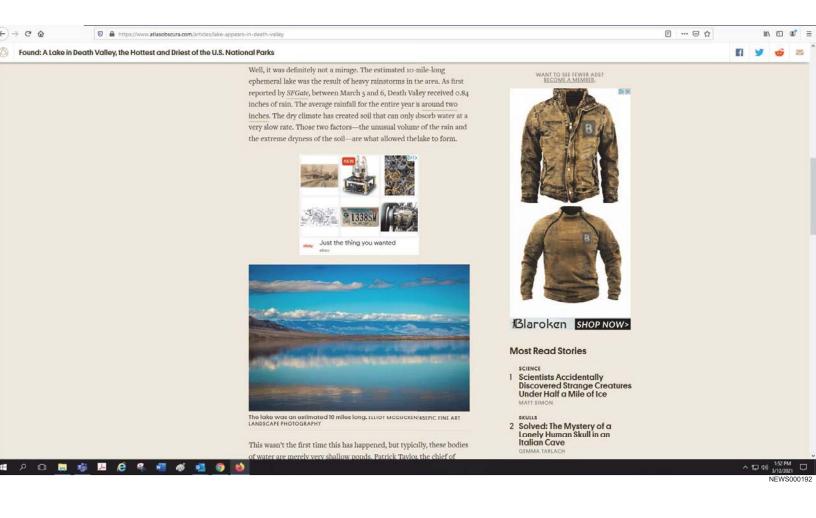


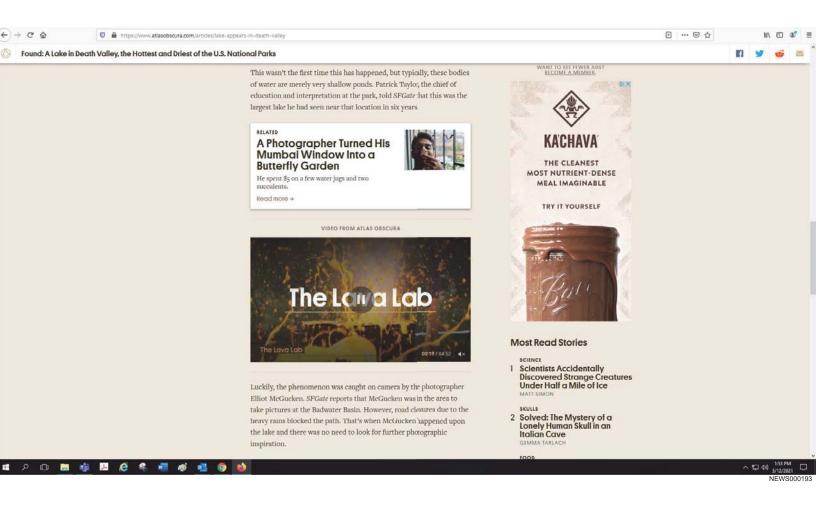


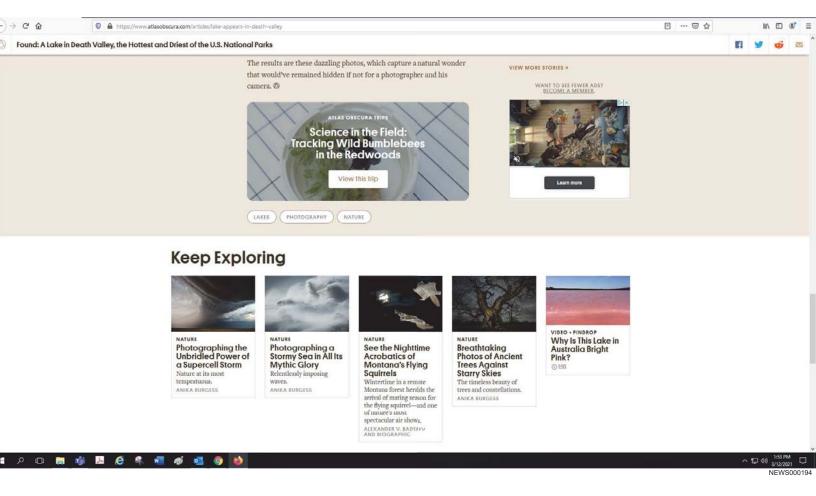


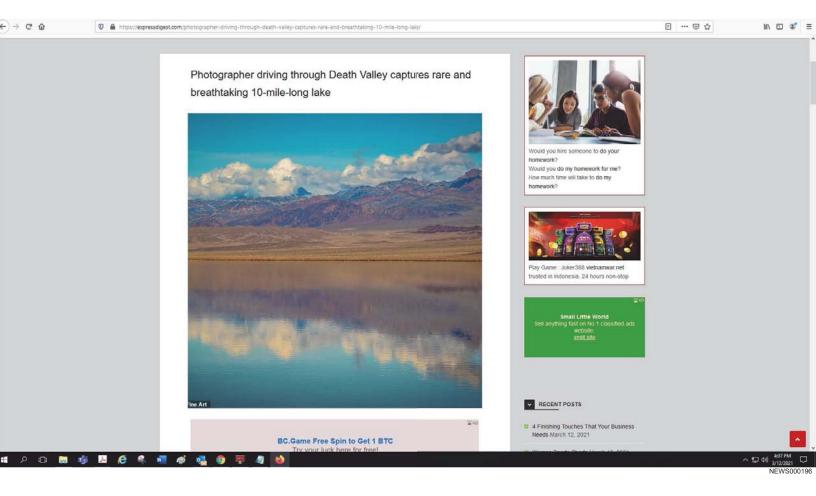


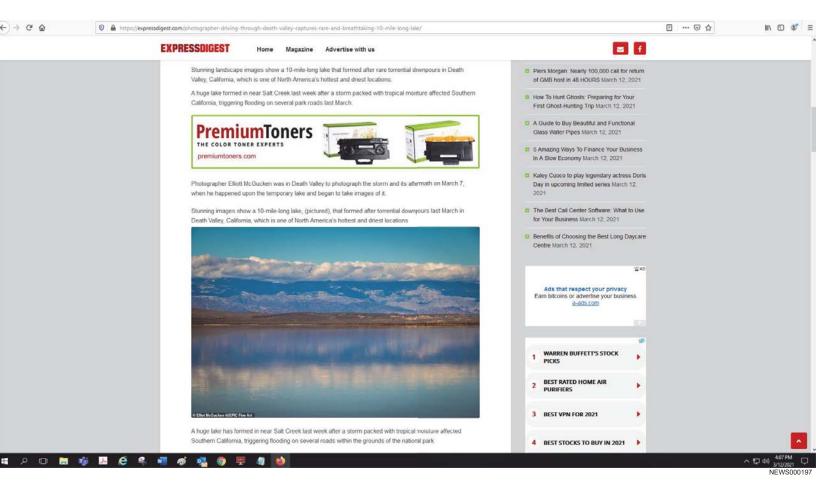


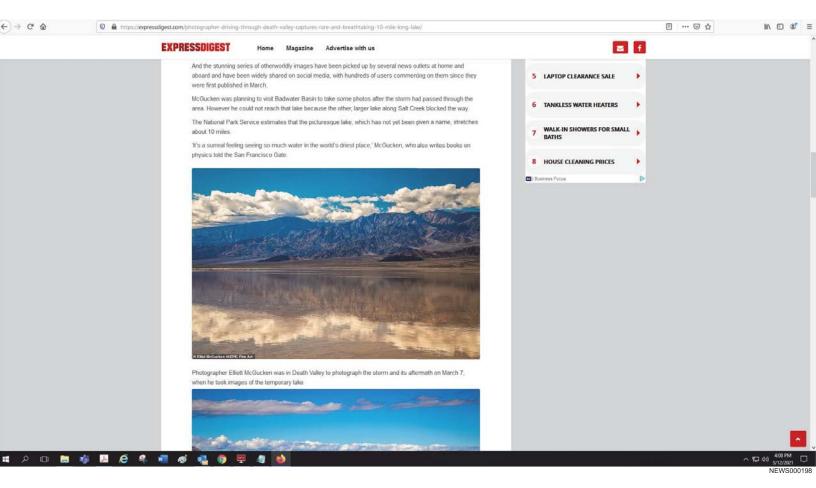


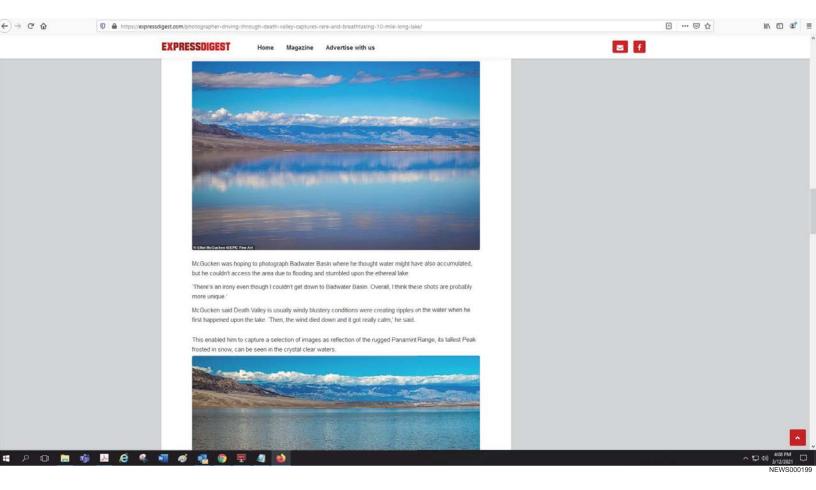


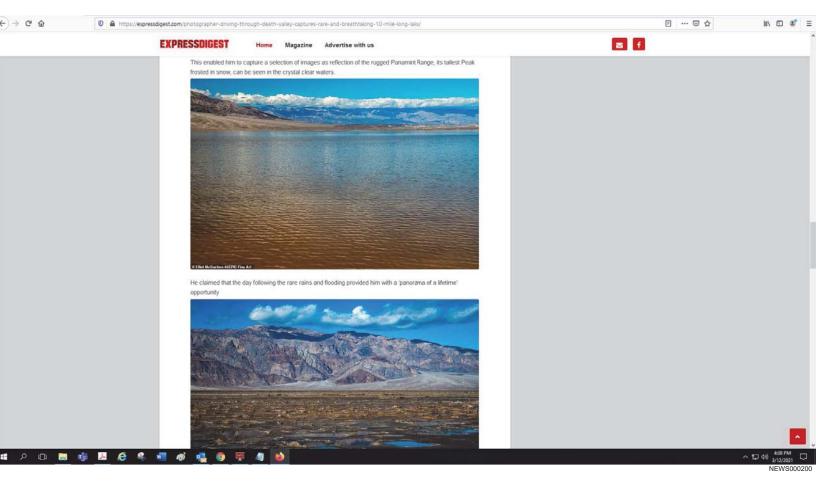


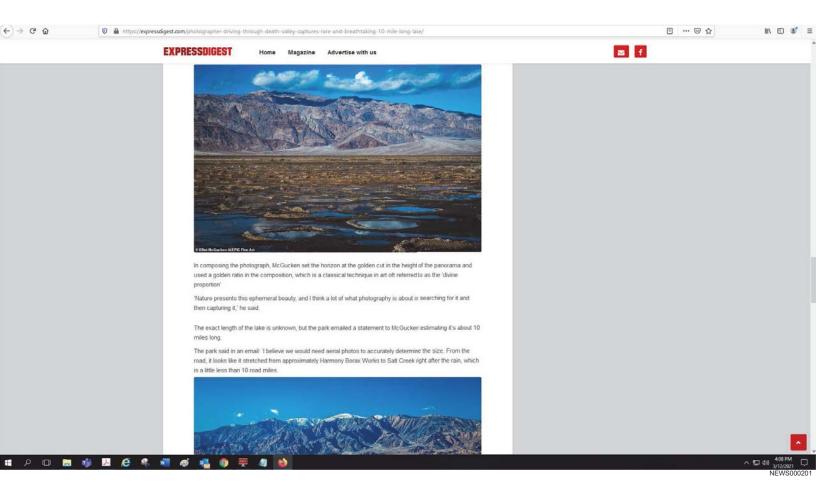


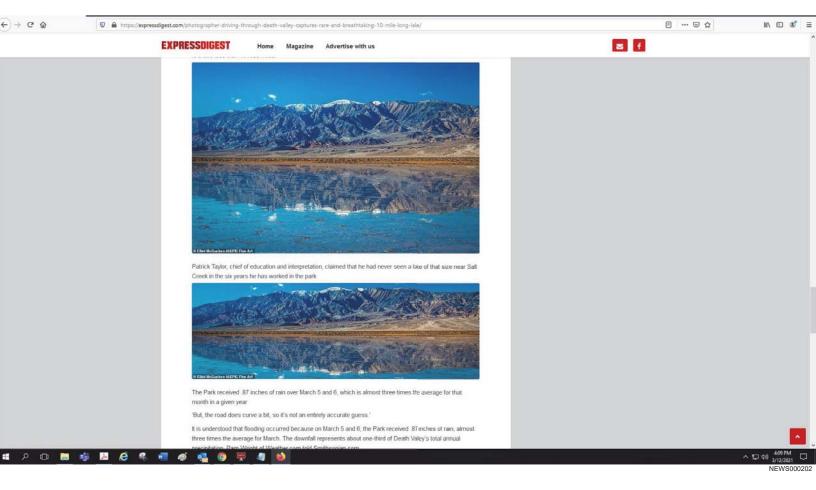


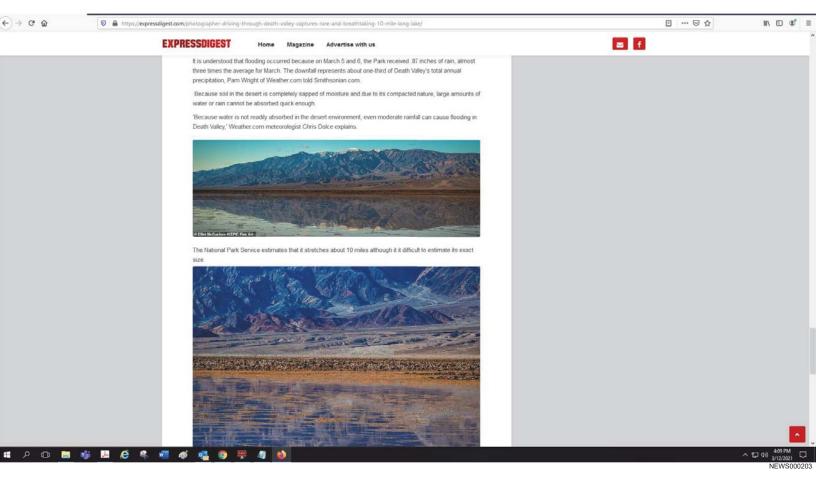


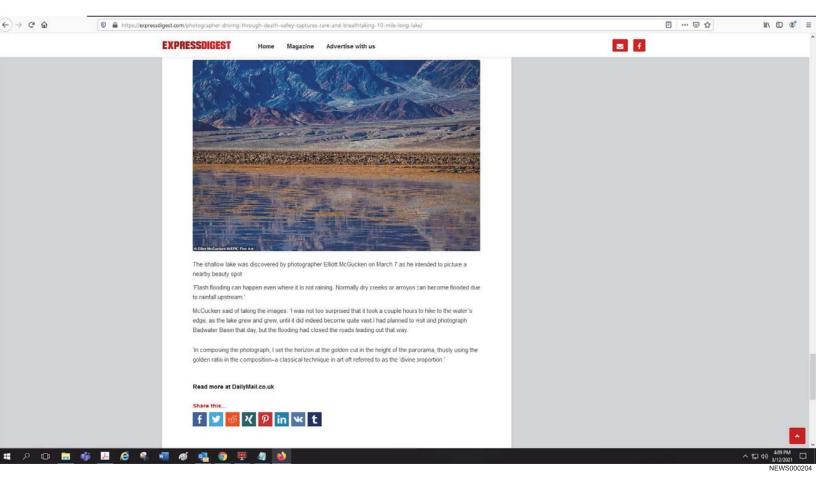


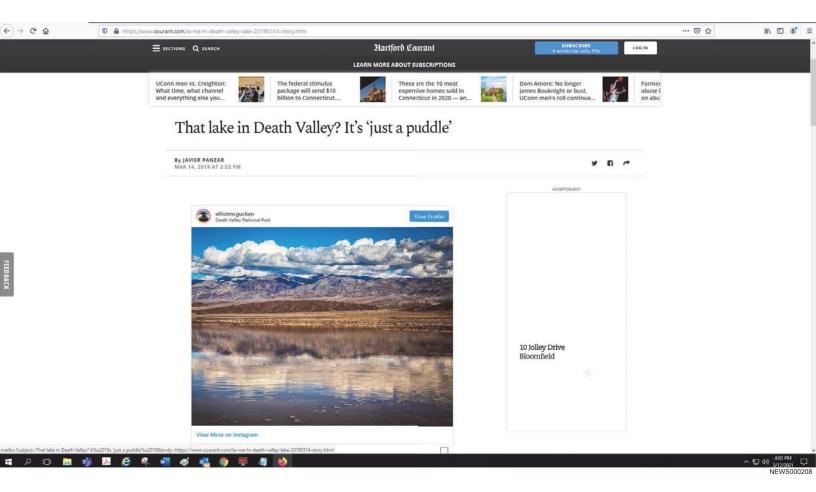


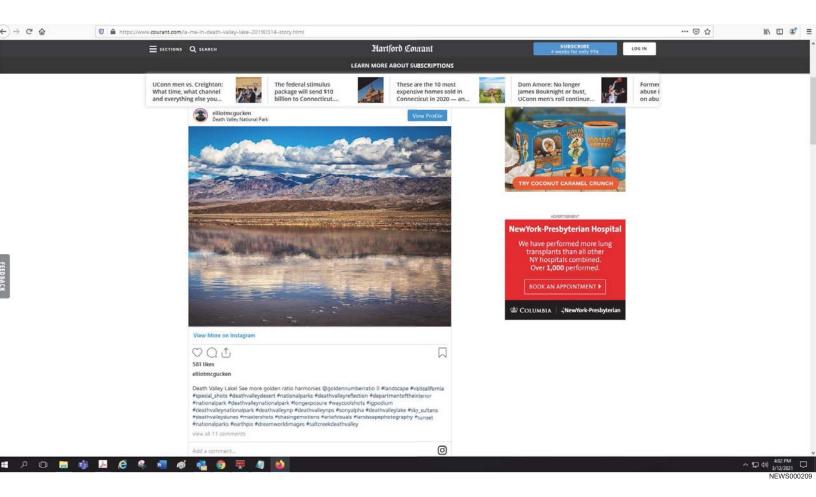


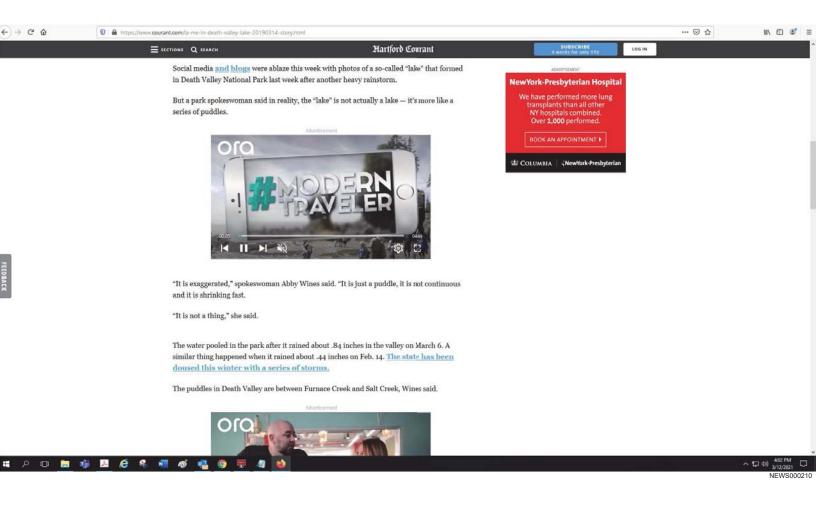


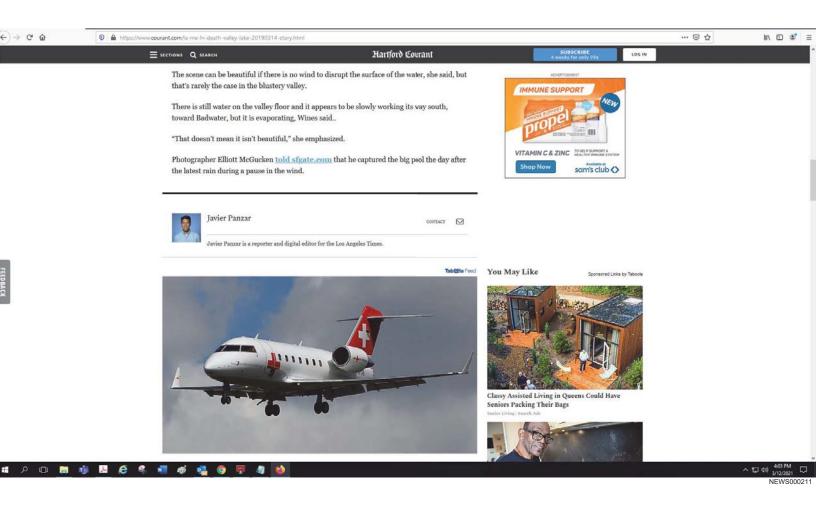


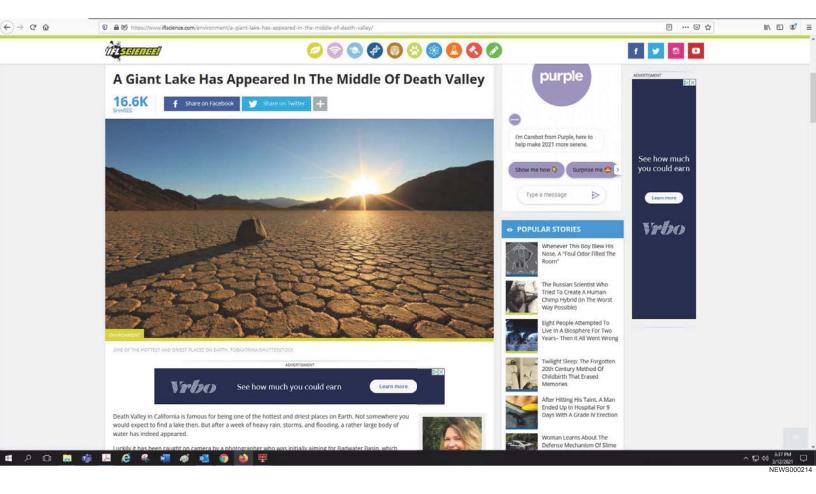


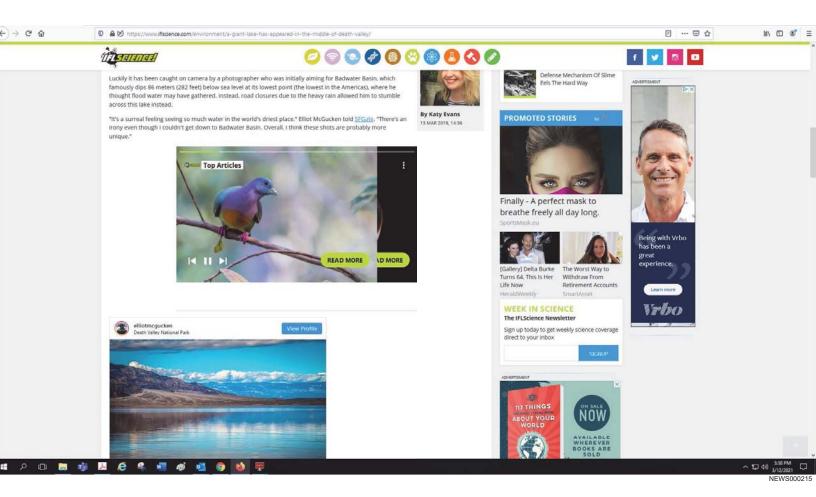


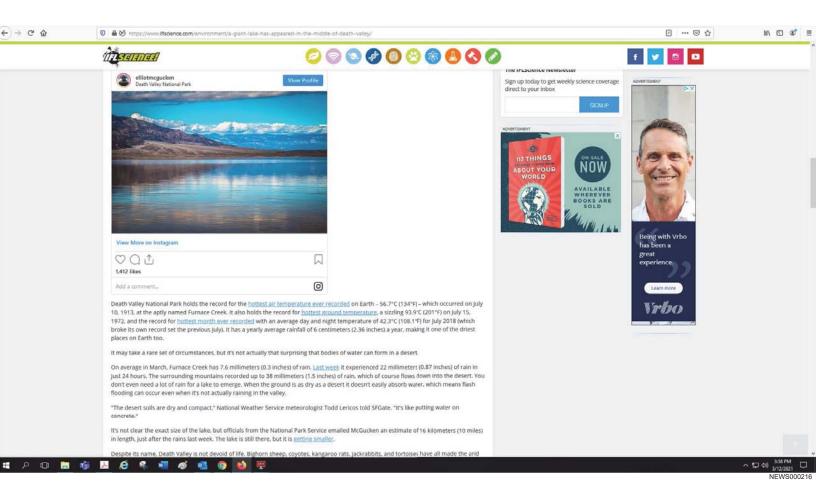


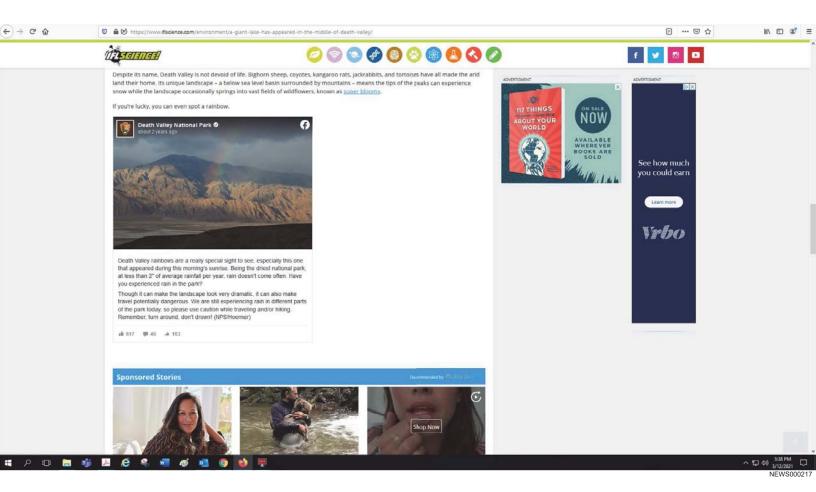


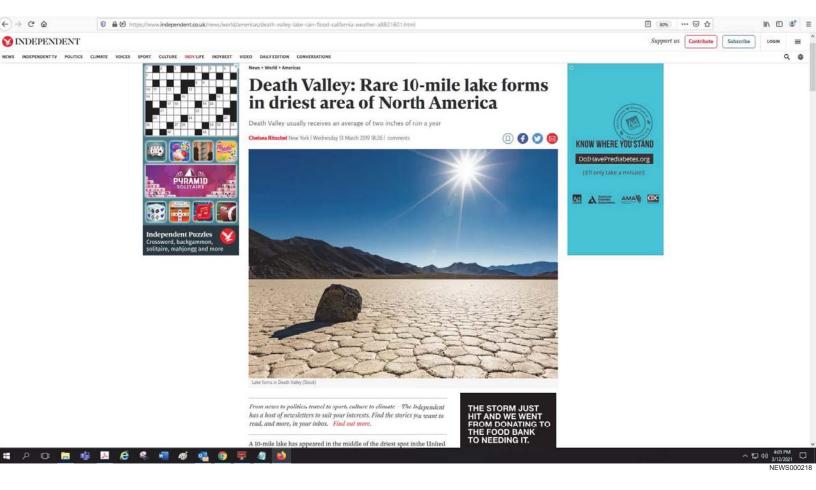


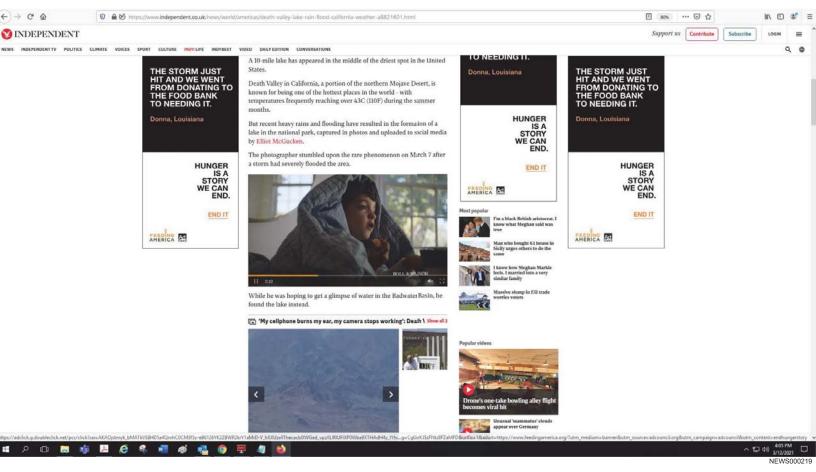


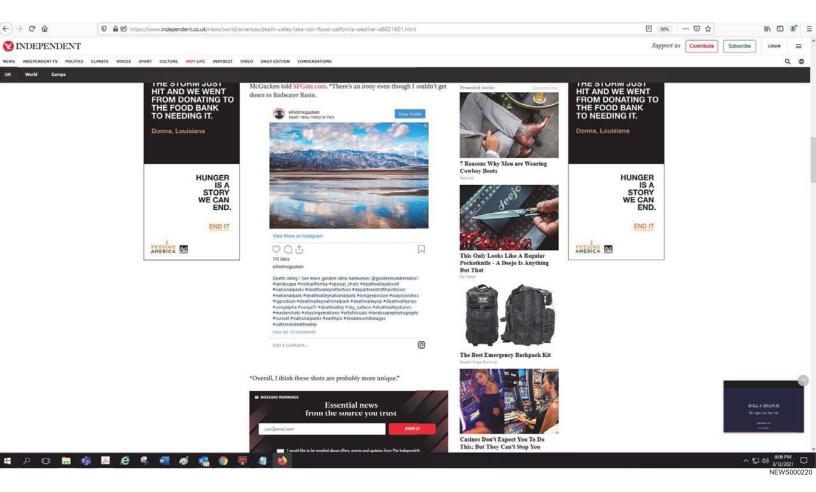


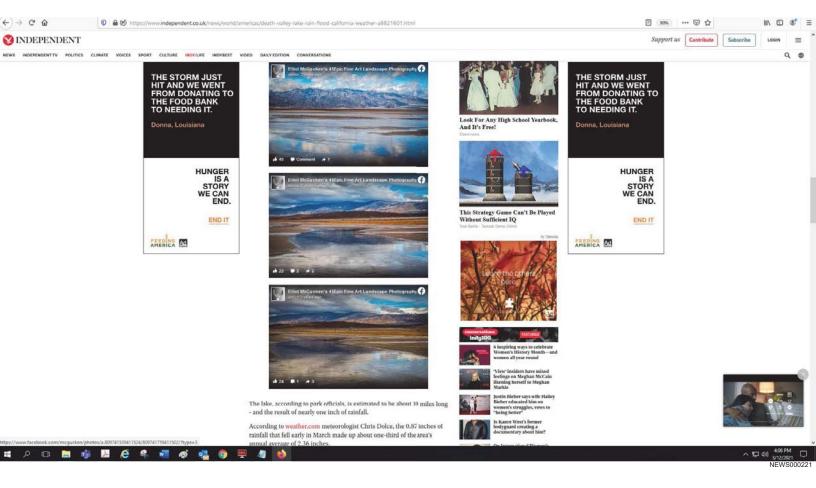


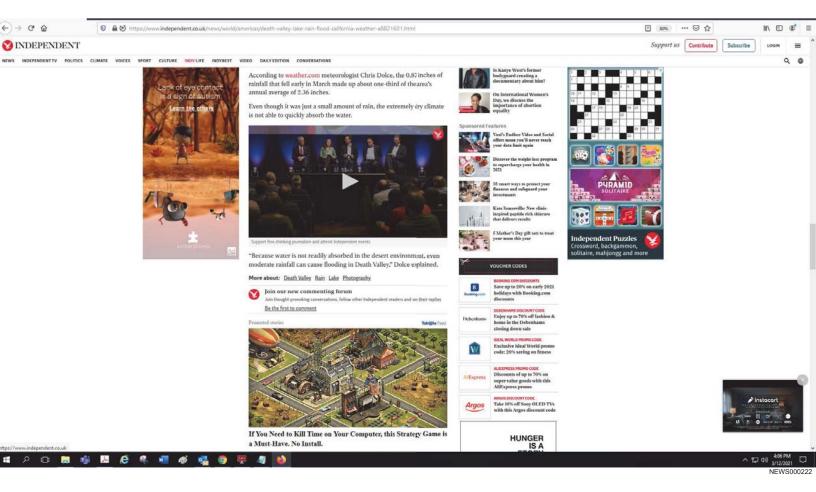


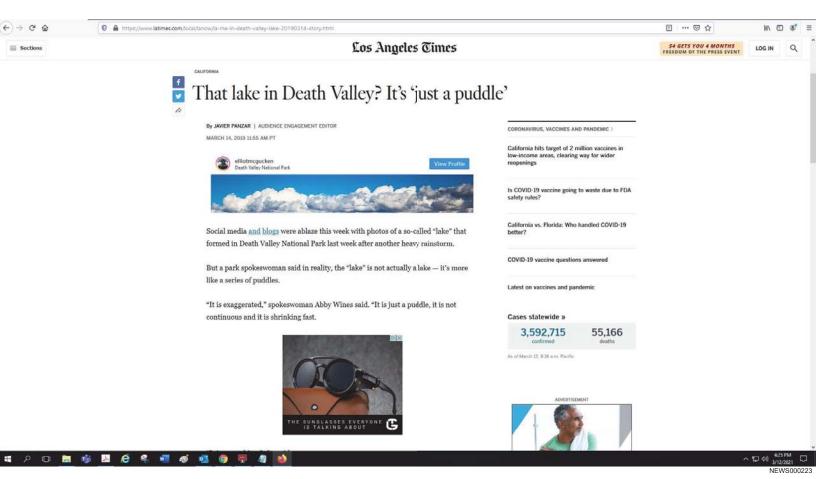


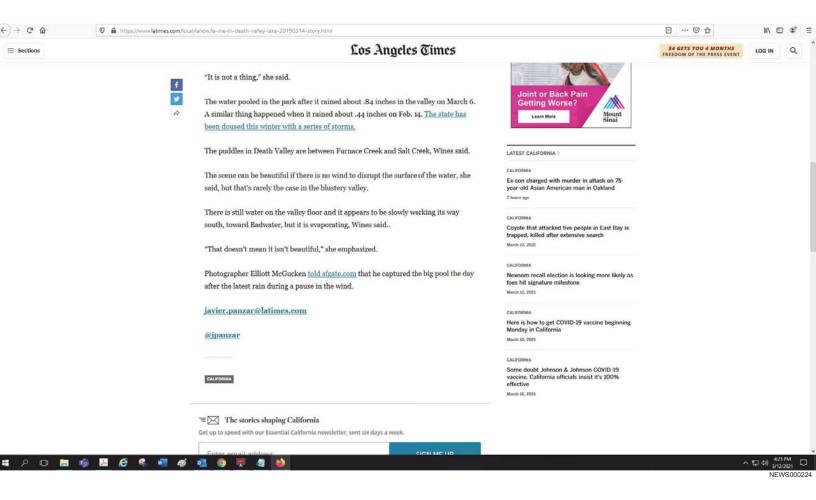


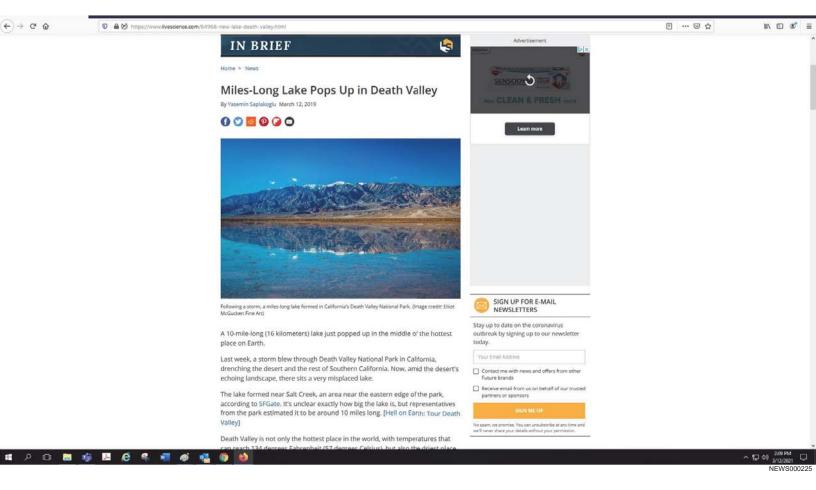


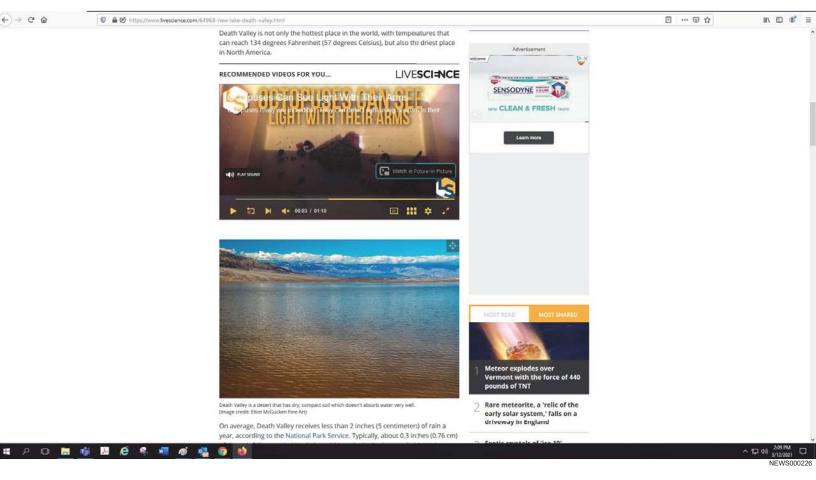


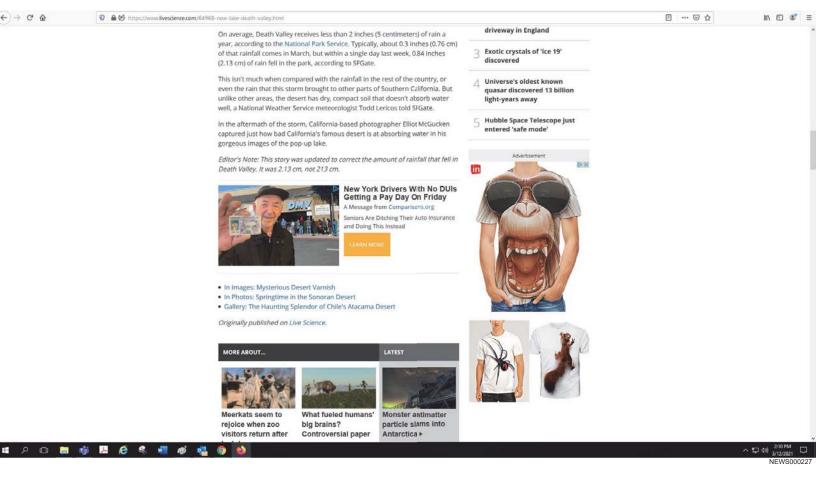


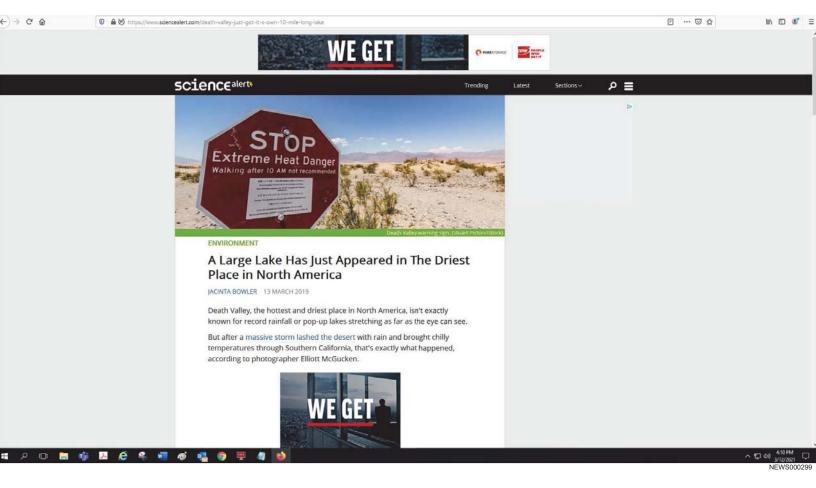


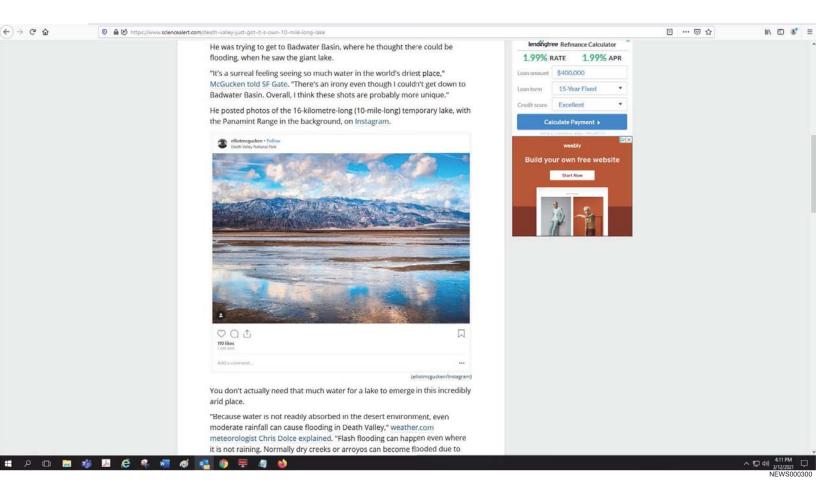


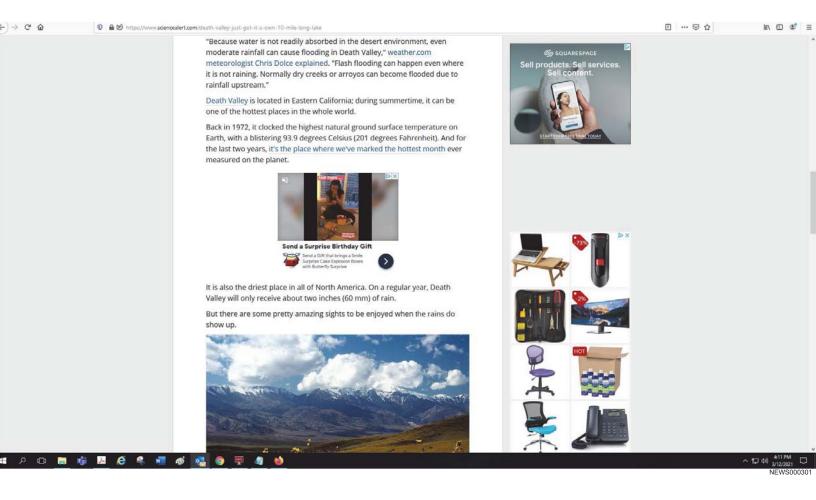


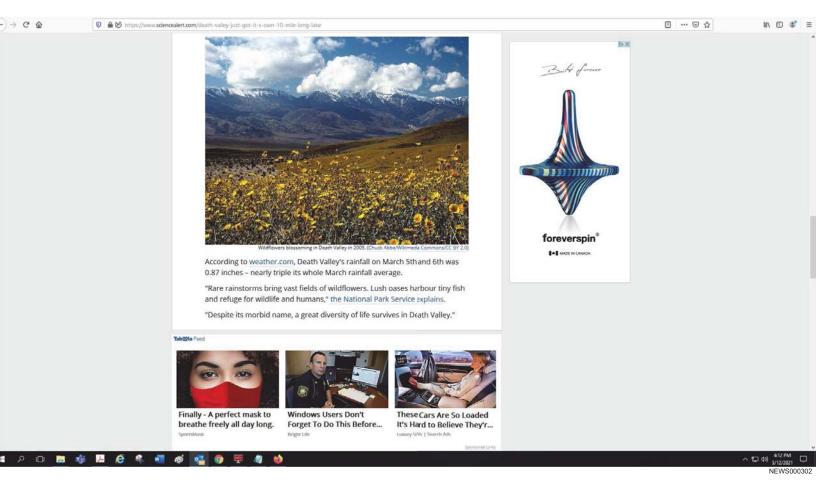












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FROM THE WEB

Rare 10-mile-long lake forms in Death Valley after heavy rains and flooding

By Amy Graff, SFGATE Updated 1:42 pm PDT, Tuesday, March 12, 2019 5



Photo: Elliot McGucken's 45Epic Fine Art Landscape Photography

-

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IMAGE 16 OF 30

After a wet winter storm swept Death Valley National Park, a lake formed near Salt Creek. LA-based photographer Elliot McGucken captured photos of the water on March 7, 2019

It's not a sight you expect to see in the driest spot in the country.

A massive lake formed in **Death Valley National Park** near Salt Creek last week after a storm packed with tropical moisture drenched Southern California, triggering flooding on several park roads.

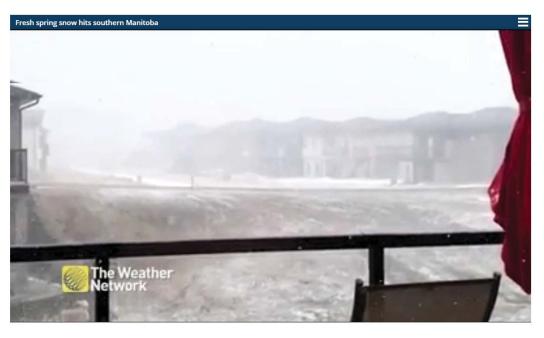


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Photographer Elliott McGucken was in Death Valley to photograph the storm and its aftermath; on March 7, he took images of the temporary, nameless lake.

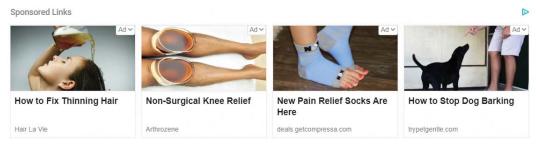


McGucken was hoping to photograph Badwater Basin where he thought water might have also collected, but he couldn't access the area due to flooding and stumbled upon the lake.



"It's a surreal feeling seeing so much water in the world's driest place," said McGucken, who also writes books on physics.

"There's an irony even though I couldn't get down to Badwater Basin. Overall, I think these shots are probably more unique."



McGucken said Death Valley is usually windy, and when he first arrived at the lake, blustery conditions were creating ripples on the water. "Then, the wind died down and it got really calm," he said.

The result was a collection of images with the rugged Panamint Range, its tallest Telescope Peak frosted in snow, reflected in glassy waters.

"Nature presents this ephemeral beauty, and I think a lot of what photography is about is searching for it and then capturing it," he said.

The exact length of the lake is unknown, but the park emailed a statement to McGucken estimating it's about 10 miles long: "I believe we would need aerial photos to accurately determine the size. From the road, it looks like it stretched from approximately Harmony Borax Works to Salt Creek right after the rain, which is a little less than 10 road miles. But, the road does curve a bit, so it's not an entirely accurate guess."

As of Tuesday, the park said the lake was still there but getting smaller.



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Patrick Taylor, chief of education and interpretation, says he's never seen a lake of this size near Salt Creek in this six years he has worked in the park.

"It has formed before in smaller ponds, but I don't remember seeing it this large in this location before," Taylor said.

ALSO: Death Valley flooded by drenching rains: 'It's like putting water on concrete'

In a typical March, the Furnace Creek rain gauge in Death Valley records 0.3 inches of rainfall. In a 24-hour span running from last Tuesday to Wednesday, the same gauge measured 0.84 inches. In the surrounding mountains, the National Weather Service estimates 1 to 1.5 inches fell.

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This might not sound like a lot of rain, but NWS meteorologist Todd Lericos explains the desert landscape doesn't easily absorb water. Rain in the mountains rushes down to the valley floor.

"The desert soils are dry and compact," said Lericos, who works in the NWS Las Vegas office. "It's like putting water on concrete.'

This story was updated on March 12 at 1:30 p.m.





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It's not a mirage! Photographer driving through Death Valley - America's hottest and driest place - captures tenmile-long LAKE formed after rare heavy rainfall

- · A collection of stunning images show a 10-mile-long lake that formed after rare torrential rain in Death Valley
- · Photographer Elliott McGucken was in the area to photograph the storm and its aftermath last March when he stumbled upon the temporary shallow lake, providing him with a 'panorama of a lifetime'
- . The exact length of the lake is unknown, but officials estimated it to be about around 10 miles with blue water
- · Death Valley National Park received more than three times its average level of rainfall in March



Stunning landscape images show a 10-mile-long lake that formed after rare torrential downpours in Death Valley, California, which is one of North America's hottest and driest locations.

A huge lake formed near Salt Creek last week after a storm packed with tropical moisture affected Southern California, triggering flooding on several park roads last March.

Photographer Elliott McGucken was in Death Valley to photograph the storm and its aftermath on March 7, when he happened upon the temporary lake and started shooting.



Stunning images show a 10-mile-long lake, (pictured), that formed after torrential downpours last March in Death Valley, California, which is one of North America's hottest and driest locations



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A huge lake has formed in near Salt Creek last week after a storm packed with tropical moisture affected Southern California, triggering flooding on several roads within the grounds of the national park

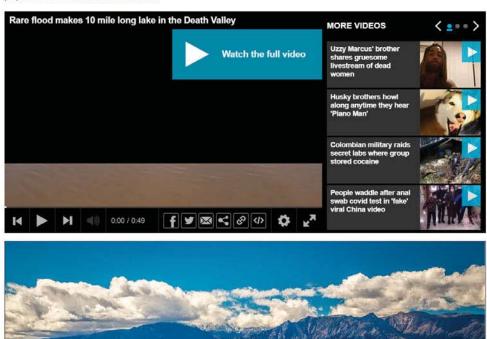
And the stunning series of otherworldly images have been picked up by several news outlets at home and aboard and have been widely shared on social media, with hundreds of users commenting on them since they were first published in March.



McGucken was planning to visit Badwater Basin to take some photos after a storm had passed through. However, he could not reach the Basin because of this other, larger lake along Salt Creek.

The National Park Service estimates that the picturesque lake, which has not yet been given a name, stretches some 10 miles.

'It's a surreal feeling seeing so much water in the world's driest place,' McGucken, who also writes books on physics told the San Francisco Gate.



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Photographer Elliott McGucken was in Death Valley to photograph the storm and its aftermath on March 7, when he took images of the temporary lake



McGucken was hoping to photograph Badwater Basin where he thought water might have also accumulated, but he couldn't access the area due to flooding and stumbled upon the ethereal lake











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'There's an irony even though I couldn't get down to Badwater Basin. Overall, I think these shots are probably more unique.'

McGucken said Death Valley is usually windy blustery conditions were creating ripples on the water when he first happened upon the lake. 'Then, the wind died down and it got really calm,' he said.

This enabled him to capture a selection of images as reflection of the rugged Panamint Range, its tallest Peak frosted in snow, can be seen in the crystal clear waters.



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He claimed that the day following the rare rains and flooding provided him with a 'panorama of a lifetime' opportunity



In composing the photograph, McGucken set the horizon at the golden cut in the height of the panorama and used a golden ratio in the composition, which is a classical technique in art oft referred to as the 'divine proportion'

'Nature presents this ephemeral beauty, and I think a lot of what photography is about is searching for it and then capturing it,' he said.

On the lake's size, the park said in an email: 'I believe we would need aerial photos to accurately determine the size. From the road, it looks like it stretched from approximately Harmony Borax Works to Salt Creek right after the rain, which is a little less than 10 road miles.



Patrick Taylor, chief of education and interpretation, claimed that he had never seen a lake of that size near Salt Creek in the six years he has worked in the park



The Park received .87 inches of rain over March 5 and 6, which is almost three times the average for that month in a given year

'But, the road does curve a bit, so it's not an entirely accurate guess.'

It is understood that flooding occurred because on March 5 and 6, the Park received .87 inches of rain, almost three times the average for March. The downfall represents about one-third of Death Valley's total annual precipitation, Pam Wright of Weather.com told **Smithsonian.com**.

Because soil in the desert is completely sapped of moisture and due to its compacted nature, large amounts of water or rain cannot be absorbed quick enough.

'Because water is not readily absorbed in the desert environment, even moderate rainfall can cause flooding in Death Valley,' Weather.com meteorologist Chris Dolce explains.



The National Park Service estimates that it stretches about 10 miles although it it difficult to estimate its exact size



The shallow lake was discovered by photographer Elliott McGucken on March 7 as he intended to picture a nearby beauty spot

'Flash flooding can happen even where it is not raining. Normally dry creeks or arroyos can become flooded due to rainfall upstream.'

McCucken said of taking the images: 'I was not too surprised that it took a couple hours to hike to the water's edge, as the lake grew and grew, until it did indeed become quite vast. I had planned to visit and photograph Badwater Basin that day, but the flooding had closed the roads leading out that way.

'In composing the photograph, I set the horizon at the golden cut in the height of the panorama, thusly using the golden ratio in the composition--a classical technique in art oft referred to as the 'divine proportion.'

Read more: Rare 10-mile-long lake forms in Death Valley after heavy rains and flooding - SFGate Flooding Creates a 10-Mile-Long Lake in Death Valley | Smart News | Smithsonian

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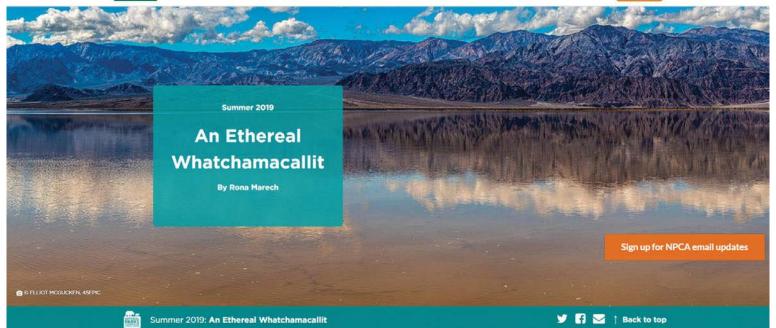
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What exactly was that 10-mile-long body of water in the desert?

"It was just such a lucky shot," said L.A.-based photographer Elliot McGucken. He was in Death Valley National Park in March when he stumbled across a 10-mile-long body of water that materialized after around 0.84 inches of rain fell in a 24-hour span. When the wind died down, McGucken snapped the panoramic photo above, capturing the mountains reflected in the still water. "You forget all the technical details and science when you're out there, and you just go for the ethereal quality," he said.



Click to enlarge

To McGucken's delight, his images ricocheted around social media, and numerous media outlets picked up the story. Not everyone was quite so impressed. Park spokeswoman Abby Wines dismissed #deathvalleylake as a puddle — or maybe a skim of water.

"There really isn't a word for what it is," she said. Plus, she pointed out, the event wasn't as rare as the stories breathlessly reported. Water had collected in the same spot earlier in the winter, and the rainfall didn't break any records.

But lake or glorified puddle, even Wines had to admit the nameless body had its merits: "It was beautiful," she said.

ABOUT THE AUTHOR



Rona Marech

Editor-in-Chief

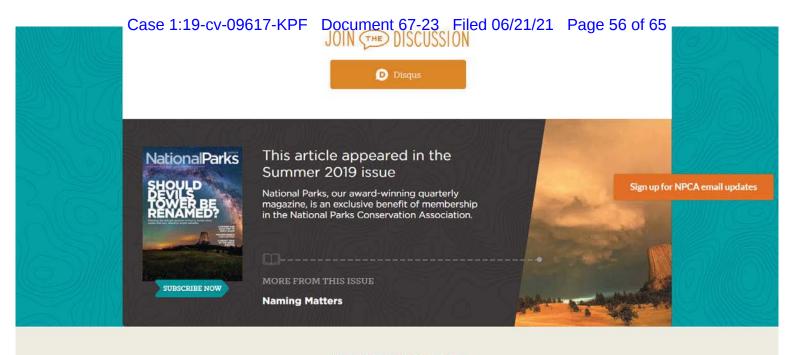
A longtime journalist, Rona Marech joined NPCA in 2013. She is the editor-in-chief of National Parks magazine.

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Photos of Death Valley Flooded with a 10-Mile Lake

O MAR 16, 2019 B ELLIOT MCGUCKEN



9 COMMENTS



I was out in Death Valley last week and was fortunate to photograph some unique scenes of the floods. A rare 10-mile-long lake formed in Death Valley after heavy rains.

From the road, one can see water, but due to the general vastness of Death Valley and the scale of the mountains and all, the body of water looks relatively small from the road even though it spans around 10 miles or so.



It was breathtaking, though! In between shooting photographs, we always steal a few seconds for ourselves and take some deep breaths out there, allowing the scene to wash over us in all its ephemeral beauty. And then we get back to taking photos, striving to make the fleeting beauty eternal, knowing that we can only ever fall short.





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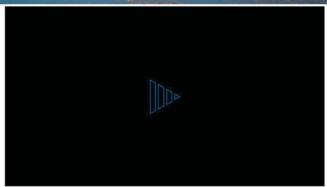


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It took me a lot longer to hike to the edge of the lake than I had originally estimated, as again, things are often far larger and distances greater than they at first appear in Death Valley due to the vast expanses and scales we are not normally used to. Even a lake spanning ten miles can appear rather small and close. But try hiking to its edge and you will find it to be far away and vast.

About the author: Dr. Elliot McGucken is a fine art landscape and seascape photographer. The opinions expressed in this article are solely those of the author. You can find more of McGucken's work on his website, Facebook, and Instagram.







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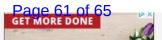






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Flooding Creates a 10-Mile-Long Lake in **Death Valley**

The rare ephemeral lake was caused when the compacted, dry desert soil wasn't able to absorb the .87 inches of rain that recently fell on the national park



By Jason Daley SMITHSONIANMAG.COM MARCH 13, 2019



ost of the time, visitors to Death Valley National Park in southern California don't expect to see much water. The area is the hottest and driest spot in North America. So it was surprising when, after a massive storm last week, a winding 10-mile-long lake appeared in the park.

The shallow body of water was discovered by photographer Elliott McGucken on March 7, reports Amy Graff at SFGate.com. After the storm moved through the area, McGucken was planning to visit Badwater Basin to take some photos, hoping that an ephemeral lake had formed in the area. But he couldn't reach the spot because the other, larger lake along Salt Creek blocked the way.



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CALLED PETER RINDISBACHER.

It actually turned out to be even better than Badwater Basin. McGucken was able to shoot some oncein-a-lifetime images of the flooding with the surrounding Panamint Mountains reflected in the water. "Nature presents this ephemeral beauty, and I think a lot of what photography is about is searching for it and then capturing it," he tells Graff.

While it's difficult to pin down just how large the lake is, the National Park Service estimates that it stretches about 10 miles. "I believe we would need aerial photos to accurately determine the size. From the road, it looks like it stretched from approximately Harmony Borax Works to Salt Creek right after the rain, which is a little less than 10 road miles," the park said in a statement emailed to McGucken. "But, the road does curve a bit, so it's not an entirely accurate guess."

According to Pam Wright at Weather.com, the flooding occurred because on March 5 and 6, the Park received .87 inches of rain, almost three times the average for March. The deluge represents about onethird of Death Valley's total annual precipitation.

The parched, compacted soil of the desert can be like concrete, and is unable to suck up such a large amount of rain quickly. "Because water is not readily absorbed in the desert environment, even moderate rainfall can cause flooding in Death Valley," Weather.com meteorologist Chris Dolce explains. "Flash flooding can happen even where it is not raining. Normally dry creeks or arroyos can become flooded due to rainfall upstream."



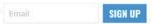
Park officials tell Graff the lake is still present, though it is gradually getting smaller.



Sadly, the rains have come too late to power a superbloom in Death Valley, reports the NPS. Superblooms occur when the desert gets above average rainfall at the right time in the winter months, leading to an irruption of desert flowers. Currently, a superbloom, the second in two years, is taking place in Anza-Borrego Desert State Park, the state's largest, which received the right amount of rain early on. Fields of orange poppies, purple sand verbena, white and yellow primroses and other desert wildflowers are blossoming in unison.

Death Valley experienced a major superbloom in 2005 and it's latest superbloom was in 2016. Those flowers, however, came with a price. In October 2015, the park experienced the largest flood event in the Valley's recorded history when between 1 to 2 inches of rain fell over the park. At that time, Badwater Basin, normally a dry lake bed, filled with water. The road to the Scotty's Castle area of the park was closed, and it is still not expected to reopen until 2020.

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Jason Daley is a Madison, Wisconsin-based writer specializing in natural history, science, travel, and the environment. His work has appeared in Discover, Popular Science, Outside, Men's Journal, and other

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